



INTEGRATED  
Environmental Services, Inc.

December 21, 1999  
Via Federal Express

**150**

Augustine Anijelo  
California Environmental Protection Agency  
Regional Water Quality Control Board  
Los Angeles Region  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, CA 90013

Subject: **Boeing/Lockheed Martin Well Abandonment**  
Boeing C-6 Facility, Los Angeles, California

Dear Mr. Anijelo:

On behalf of the Boeing Realty Corporation, Integrated Environmental Services Inc. is submitting a request to abandon eight temporary monitoring wells (BL1 through BL-8) at the Boeing C-6 facility. These wells were installed as part of the joint-groundwater investigation between Boeing Realty Corporation and Lockheed Martin Corporation to assess the groundwater impacts associated with constituents of concern from the former International Light Metals (ILM) facility migrating onto the Boeing property.

During the period of March and July 1999, two sampling events were conducted at these wells. The results of both sampling events will be presented in detail in the Groundwater RCRA Facility Investigation Report. This report is currently being prepared by Lockheed Martin's consultant and is expected to be published in the next few weeks.

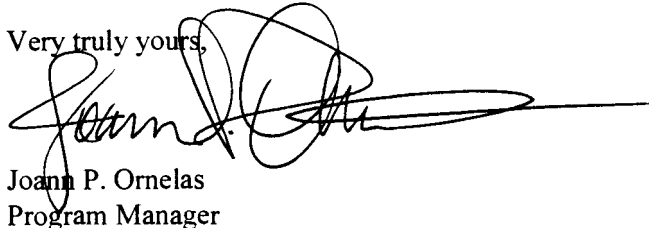
Based on a preliminary assessment, the results indicate that contamination has migrated from the ILM facility onto the Boeing property. The attached tables (Tables 4.7, 4.9, 4.11, and 4.13 from the Draft RCRA Facility Investigation Report) summarize the groundwater results for the July 1999 sampling. Groundwater samples were analyzed for volatile organic compounds, total petroleum hydrocarbons, and dissolved and total metals.

Base on the data, plumes of trichloroethene (TCE) and hexavalent chromium appear to be migrating onto the Boeing property from ILM. Estimated TCE and dissolved hexavalent chromium distributions derived from these data are presented in Figures 5.3 and 5.9, respectively. As shown in these figures, the plumes extend approximately 500 feet to the east of the ILM property.

Boeing believes that the data collected from the BL wells during the period of March to July 1999 adequately assess the groundwater conditions beneath the western portion of the C-6 facility. It is anticipated that wells BL-4 through BL-8 will require immediate abandonment in order to move forward with scheduled redevelopment activities. To that end, Boeing is requesting authorization to abandon these wells in the immediate future. If additional wells are required in the future to further characterize the groundwater in the western portion of the site, new wells will be installed. Due to the redevelopment schedule, Boeing respectfully requests an expeditious approval.

If you have any questions or comments, please contact me at (949) 609-3290, extension 112.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Joann P. Ornelas', with a long horizontal flourish extending to the right.

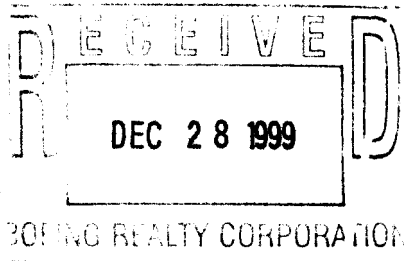
Joann P. Ornelas  
Program Manager

cc: Mario Stavale, Boeing  
Peter Chen, DTSC  
Masood Choudhury, Lockheed Martin Corporation  
Ron Geraudi, TRC



December 27, 1999

Mr. Peter Chen  
Hazardous Substances Engineer  
Department of Toxic Substances Control  
1011 North Grandview Avenue  
Glendale, California 91201



Project No. 99-200

Request for Closure of Offsite Wells  
Former International Light Metals Facility  
Lockheed Martin Corporation  
Torrance, California

Dear Mr. Chen:

Pursuant to our telephone conversation on Thursday, December 23, 1999, with yourself and Will Rowe, this letter is to request closure of offsite wells associated with the Ground Water RCRA Facility Investigation (GWRFI) at the former International Light Metals (ILM) facility in Torrance, California.

Currently, there are eight (8) temporary offsite ground water monitoring wells on the Boeing Realty Corporation (BRC) property located immediately to the east of the former ILM facility. These wells were installed in February 1999 and were sampled in March and July 1999. The data and results from these wells along with the onsite wells at the former ILM facility will be submitted to the DTSC in a GWRFI report next week.

However, the offsite property owner, BRC, is in the process of selling this property, and four of the wells (Wells BL-5, -6, -7 and -8; please refer to the enclosed figure) will be located in the "footprint" of buildings which will be constructed by purchasers of the property. For this reason, LMC requests the DTSC's approval to close these ground water monitoring wells. Should the DTSC determine, at a later time, that additional data is needed from monitoring well(s) in the general vicinity of the former Wells BL-5, -6, -7 and -8, new monitoring well(s) will be installed in the general proximity of the former well(s). However, these new well(s) shall be installed in areas outside of the proposed buildings which do not interfere with the new property owner's day-to-day operations (i.e., in parking lots or landscape/berm areas), as approved by the DTSC.

At the present time, BRC does not anticipate that Wells BL-1, -2, -3 or -4 will interfere with buildings which are anticipated to be constructed by the purchasers. However, should any of these wells be found to be in the "footprint" of a proposed building, then LMC, with appropriate notice to DTSC, would proceed to close the affected well(s). As in the case of Wells BL-5, -6, -7 and -8, should the DTSC determine that additional data is needed from wells located in general vicinity of former wells, BL-1, -2, -3 or -4, then new wells would be installed based upon the protocol set forth in the preceding paragraph.

As part of the closure procedure, the following additional work will be performed:

- Ground water level measurements will be collected from the eight (8) offsite wells prior to the closure of wells.

TRC Environmental Solutions, Inc.  
21 Technology Drive • Irvine, California 92618  
Telephone 949 727-9336 • Fax 949 727-7399

Customer-Focused Solutions

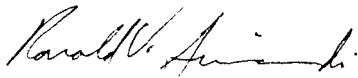


Mr. Peter Chen  
December 27, 1999  
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- For those wells to be closed, a ground water sample will be collected prior to closure and analyzed for trichloroethene (TCE) by EPA Method 8260 and for hexavalent chromium by EPA Method 7196.
- Wells will be closed by over drilling the well casing, screen, grout and sand pack. The wells will be backfilled by tremie placement of grout from the bottom of the borehole to within 10 feet of the surface (or as directed by the County of Los Angeles). The grout will be a mixture of 5 percent by weight bentonite (prehydrated) and cement. The mixture will be prepared as dry as possible. The upper 10 feet will be completed with concrete (or as directed by the County of Los Angeles).

Please review this information and call us with any questions and/or your approval.

Sincerely,



Ronald V. Giraudi, R.E.A.  
Project Director



Jeff Hensel, R.G.  
Project Geologist

RVG/JH/RAL:mc

cc: Yolanda Garza, DTSC  
William Rowe, DTSC  
Augustine Anijelo, California RWQCB - Los Angeles Region  
Mario Stavale, Boeing Realty Corporation  
Joann Ornelas, Integrated Environmental Services, Inc.

TABLE 4.9

**SUMMARY OF GROUND WATER ANALYTICAL RESULTS  
TOTAL PETROLEUM HYDROCARBONS (TPH)  
BRC PROPERTY, TORRANCE, CALIFORNIA**

Sample ID	Sample Date	TPH <sup>(1)</sup> (in µg/L) BY EPA METHOD 8015M			
		TPH-c/w	TPH-d	TPH-k	TPH-z
BL-1	3/4/99	ND(1,000)	560	ND(200)	ND(1,000)
	3/4/99 <sup>(2)</sup>	ND(1,000)	450	ND(200)	ND(1,000)
	7/13/99	ND(1,000)	1,300	ND(200)	ND(1,000)
BL-2	3/3/99	--	--	--	ND(1,000)
	7/14/99	ND(1,000)	ND(200)	ND(200)	ND(1,000)
BL-3	3/3/99	--	--	--	--
	7/15/99	ND(1,000)	ND(200)	ND(200)	ND(1,000)
BL-4	3/2/99	--	--	--	--
	7/14/99	ND(1,000)	ND(200)	ND(200)	ND(1,000)
BL-5	3/4/99	ND(1,000)	610	ND(200)	ND(1,000)
	7/13/99	ND(1,000)	1,700	ND(200)	ND(1,000)
BL-6	3/1/99	--	--	--	--
	7/16/99	ND(1,000)	ND(200)	ND(200)	ND(1,000)
	7/16/99 <sup>(3)</sup>	ND(1,000)	ND(200)	ND(200)	ND(1,000)
BL-7	3/2/99	--	--	--	--
	7/14/99	ND(1,000)	ND(200)	ND(200)	ND(1,000)
BL-8	3/2/99	--	--	--	--
	7/13/99	ND(1,000)	ND(200)	ND(200)	ND(1,000)

99-200/Rps/DtGrWaRcPa (11/19/99/rm)

<sup>(1)</sup> Only detected analytes are reported in table; results of all analyses are reported in laboratory reports.

<sup>(2)</sup> Duplicate sample for BL-1 is identified as B-17 in laboratory reports.

<sup>(3)</sup> Duplicate sample for BL-6 is identified as B-15 in laboratory reports.

TPH-d Total Petroleum Hydrocarbons - Diesel Range

TPH-k Total Petroleum Hydrocarbons - Kerosene Range

TPH-c/w Total Petroleum Hydrocarbons - Crude Oil/Waste Oil

TPH-z Total Petroleum Hydrocarbons - Z-Oil

µg/L Micrograms per liter

ND( ) Analyte not detected above the practical quantitation limit (in parentheses)

-- Not sampled

TABLE 4.7

SUMMARY OF GROUND WATER ANALYTICAL RESULTS  
VOLATILE ORGANIC COMPOUNDS (VOCs)  
BRC PROPERTY, TORRANCE, CALIFORNIA

TABLE 4.7

TABLE 4.7

SAMPLE ID	SAMPLE DATE	VOLATILE ORGANIC COMPOUNDS <sup>(1)</sup> (in µg/L) BY EPA METHOD 8260																		
		TCE	PCE	1,1-DCA	1,1-DCE	1,1,1-TCA	Bromodi-chloro-methane	Bromoform	Chloroform	1,2-Dichloro-propane	Trans-1,2-DCE	Cis-1,2-DCE	Dibromo-chloro-methane	Toluene	Benzene	Ethyl benzene	Total Xylenes	Vinyl Chloride	Carbon Tetra-chloride	1,1,2-TCA
BL-1	3/4/99	6.6	ND(0.5)	1.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.57	ND(0.5)	ND(0.5)	15	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
	3/4/99 <sup>(2)</sup>	6.8	ND(0.5)	0.95	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.60	ND(0.5)	ND(0.5)	14	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
	7/13/99	5.2	ND(0.5)	0.7	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	15	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BL-2	3/3/99	250	0.91	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.81	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
	7/14/99	460	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)
BL-3	3/3/99	720	73	0.72	3.8	2.1	ND(0.5)	ND(0.5)	3	ND(0.5)	ND(0.5)	0.76	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
	7/15/99	1,200	77	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	25	ND(20)	ND(20)	ND(50)	ND(20)	ND(20)	ND(20)
BL-4	3/2/99	58	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	8.4	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	0.62	ND(0.5)
	7/14/99	49	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.68	ND(0.5)
BL-5	3/4/99	4.1	ND(0.5)	0.54	1.3	ND(0.5)	ND(0.5)	ND(0.5)	2.8	ND(0.5)	3.2	71	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
	7/13/99	2.7	ND(0.5)	0.56	0.79	ND(0.5)	ND(0.5)	ND(0.5)	1.4	ND(0.5)	0.55	110	ND(0.5)	ND(0.5)	0.52	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BL-6	3/1/99	6,700	2.9	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	11	ND(0.5)	0.65	15	ND(0.5)	0.60	0.84	ND(0.5)	ND(1)	ND(0.5)	1.1	0.61
	7/16/99	5,600	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(100)	ND(50)	ND(50)	ND(50)
	7/16/99 <sup>(3)</sup>	5,600	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(100)	ND(50)	ND(50)	ND(50)
BL-7	3/2/99	32	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.67	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	5.2	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
	7/14/99	23	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.60	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
BL-8	3/2/99	23	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.2	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	5.0	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)
	7/13/99	18	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.0	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(0.5)

99-200/Rpts/DrGrWsRcFs (11/13/99/dh)

<sup>(1)</sup> Only detected analytes are reported in table; results of all analyses are reported in laboratory reports.

<sup>(2)</sup> Duplicate sample for BL-1 is identified as B-17 in laboratory reports.

<sup>(3)</sup> Duplicate sample for BL-6 is identified as B-15 in laboratory reports.

µg/L            Micrograms per liter  
ND( )        Analyte not detected above the practical quantitation limit (in parentheses)  
TCE           Trichloroethene  
PCE           Tetrachloroethene  
DCA           Dichloroethane  
DCE           Dichloroethene  
TCA           Trichloroethane  
--            Not sampled

**TABLE 4.11**  
**SUMMARY OF GROUND WATER ANALYTICAL RESULTS**  
**DISSOLVED METALS, BRC PROPERTY, TORRANCE, CALIFORNIA**

SAMPLE ID	SAMPLE DATE	DISSOLVED METALS <sup>(1)</sup> (in µg/L)																
		Arsenic (SM 3114B)	Selenium (SM 3114B)	Aluminum (EPA Method 6010)	Barium (EPA Method 6010)	Cadmium (EPA Method 6010)	Chromium (EPA Method 6010)	Cobalt (EPA Method 6010)	Iron <sup>(3)</sup>	Lead (EPA Method 7421)	Manganese (EPA Method 6010)	Molybdenum (EPA Method 6010)	Nickel (EPA Method 6010)	Titanium (EPA Method 6010)	Zinc (EPA Method 6010)	Hexavalent Chromium (EPA Method 7196)	Copper (EPA Method 6010)	Mercury (EPA Method 7470)
BL-1	3/4/99	ND(2)	ND(2)	ND(50)	ND(100)	ND(5)	ND(10)	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(10)	4.1	ND(10)	ND(0.2)
	3/4/99 <sup>(2)</sup>	ND(2)	ND(2)	ND(50)	ND(100)	ND(5)	ND(10)	ND(50)	50	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(10)	4.8	ND(10)	ND(0.2)
	7/13/99	ND(2)	ND(2)	ND(50)	ND(100)	ND(10)	ND(10)	ND(50)	–	ND(5)	16	ND(50)	ND(50)	ND(10)	ND(50)	ND(2)	ND(10)	ND(0.2)
BL-2	3/3/99	3.9	ND(2)	ND(50)	ND(100)	ND(5)	ND(10)	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(50)	15	ND(10)	ND(0.2)
	7/14/99	2.5	ND(2)	ND(50)	ND(100)	ND(10)	ND(10)	ND(50)	–	ND(5)	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	14	ND(10)	ND(0.2)
BL-3	3/3/99	ND(2)	ND(2)	ND(50)	270	ND(5)	ND(10)	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(50)	11	ND(10)	ND(0.2)
	7/15/99	ND(2)	ND(2)	ND(50)	397	ND(10)	10	ND(50)	–	ND(5)	13.0	ND(50)	ND(50)	ND(10)	ND(50)	12	ND(20)	ND(0.2)
BL-4	3/2/99	2.1	ND(2)	ND(50)	ND(100)	ND(5)	ND(10)	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(10)	4.3	ND(10)	ND(0.2)
	7/14/99	ND(2)	ND(2)	ND(50)	ND(100)	ND(10)	ND(10)	ND(50)	–	ND(5)	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	10	ND(10)	ND(0.2)
BL-5	3/4/99	ND(2)	2.6	ND(50)	ND(100)	ND(5)	ND(10)	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	16	5.5	ND(10)	ND(0.2)
	7/13/99	ND(2)	ND(2)	ND(50)	ND(100)	ND(10)	ND(10)	ND(50)	–	ND(5)	38	ND(50)	ND(50)	ND(10)	ND(50)	ND(2)	ND(10)	ND(0.2)
BL-6	3/1/99	2.1	2.0	ND(50)	32	ND(5)	213	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(50)	167	12U	ND(0.2)
	7/16/99	60R	ND(2)	ND(50)	ND(100)	ND(10)	203	ND(50)	–	ND(5)	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	214	ND(10)	ND(0.2)
	7/16/99(D) <sup>(3)</sup>	10R	ND(2)	ND(50)	ND(100)	ND(10)	210	ND(50)	–	ND(5)	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	214	ND(10)	ND(0.2)
BL-7	3/2/99	4.8	ND(2)	ND(50)	ND(100)	ND(5)	16	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(10)	16	ND(10)	ND(0.2)
	7/14/99	2.6	ND(2)	ND(50)	ND(100)	ND(10)	24	ND(50)	–	ND(5)	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	26	ND(10)	ND(0.2)
BL-8	3/2/99	2.4	ND(2)	ND(50)	122	ND(5)	11	ND(50)	ND(50)	ND(5)	–	ND(50)	ND(50)	ND(10)	ND(10)	14	22U	ND(0.2)
	7/13/99	ND(2)	ND(2)	ND(50)	285	ND(10)	15	ND(50)	–	ND(5)	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	ND(2)	ND(10)	ND(0.2)

**TABLE 4.11**

- (1) Only detected analytes are reported in table; results of all analyses are reported in laboratory reports.  
(2) Duplicate sample for BL-1 is identified as BL-17 in laboratory reports.  
(3) Dissolved iron analyzed in the field using Hach Field Test Kit.  
(4) Duplicate sample for BL-6 is identified as BL-15 in laboratory reports.

µg/L Micrograms per liter

ND( ) Analytes not detected above the particle quantitation limit (in parentheses)

(D) Duplicate sample

- Not sampled

Data Validation Qualifiers (for more information, see Data Validation Report).

U Not detected

R Unusable/rejected based on field duplicate evaluation

**TABLE 4.11**

**TABLE 4.13**  
**SUMMARY OF GROUND WATER ANALYTICAL RESULTS**  
**TOTAL METALS, BRC PROPERTY, TORRANCE, CALIFORNIA**

SAMPLE ID	SAMPLE DATE	TOTAL METALS <sup>(1)</sup> (in µg/L)																
		Arsenic (SM 3114B)	Selenium (SM 3114B)	Aluminum (EPA Method 6010)	Barium (EPA Method 6010)	Cadmium (EPA Method 6010)	Chromium (EPA Method 6010)	Cobalt (EPA Method 6010)	Iron (EPA Method 6010)	Lead (EPA Method 7421)	Molybdenum (EPA Method 6010)	Nickel (EPA Method 6010)	Titanium (EPA Method 6010)	Zinc (EPA Method 6010)	Copper (EPA Method 6010)	Vanadium (EPA Method 6010)	Mercury (EPA Method 7470)	Thallium (EPA Method 7841)
BL-1	3/4/99	110J	2.4	97,800J	367J	ND(5)	195J	73J	154,000J	55J	12	123	4,920J	394J	110J	317J	0.29	ND(5)
	3/4/99 <sup>(2)</sup>	166J	3.5	131,000J	508J	ND(5)	280J	111J	229,000J	87J	17	182	7,510	654J	146J	459J	0.46	ND(5)
	7/13/99	157	ND(2)	122,000J	589	ND(5)	258	109	217,000	74	15	180	7,000	568	182	428	0.71	ND(5)
BL-2	3/3/99	59	ND(2)	41,500	200	ND(5)	119	24	63,400	13	ND(10)	51	2,870	146	39	126	ND(0.2)	ND(5)
	7/14/99	146	ND(2)	90,300J	448	ND(5)	280	58	155,000	38	ND(10)	130	6,150	371	53	286	ND(0.2)	ND(5)
BL-3	3/3/99	20	ND(2)	24,400	328	ND(5)	92	10	37,400	8.9	ND(10)	ND(50)	1,360	86	ND(10)	75	ND(0.2)	ND(5)
	7/15/99	60	ND(2)	62,900	722	ND(5)	243	32	100,000	27	ND(10)	83	3,410	232	ND(10)	189	0.22U	ND(5)
BL-4	3/2/99	12	ND(2)	36,600	168	ND(5)	114	17	49,300	15	ND(10)	54	2,240	119	33	118	ND(0.2)	ND(5)
	7/14/99	13	ND(2)	38,600J	191	ND(5)	117	20	54,000	17	ND(10)	52	2,360	131	36	125	ND(0.2)	ND(5)
BL-5	3/4/99	12	3.4	18,000	110	ND(5)	84	ND(10)	28,900	10	ND(10)	ND(50)	946	122	30	55	ND(0.2)	ND(5)
	7/13/99	17	ND(2)	28,000J	220	ND(5)	122	12	47,200	15	ND(10)	ND(50)	1,440	128	20	88	ND(0.2)	ND(5)
BL-6	3/1/99	109	2.2	89,300	453	ND(5)	450	39	120,000	20	14	108	4,140	279	ND(10)	202	0.27	ND(5)
	7/16/99	275	ND(2)	284,000	1,720	7.9	1,160	158	431,000	111	28	375	10,800	1,070	ND(10)	729	ND(0.2)	ND(5)
	7/16/99 <sup>(3)</sup>	338	2.1	244,000	1,530	5.3	1,040	137	375,000	100	24	324	9,150	939	ND(10)	639	0.74	ND(5)
BL-7	3/2/99	86	ND(2)	62,300	203	ND(5)	255	31	106,000	23	11	99	3,740	256	29	188	ND(0.2)	ND(5)
	7/14/99	99	ND(2)	66,100J	258	ND(5)	285	36	116,000	32	11	109	3,830	262	64	210	ND(0.2)	ND(5)
BL-8	3/2/99	25	ND(2)	22,100	188	ND(5)	95	ND(10)	32,900	8	ND(10)	ND(50)	1,420	74	ND(10)	62	ND(0.2)	ND(5)
	7/13/99	106	ND(2)	86,500J	663	ND(5)	330	42	142,000	36	ND(10)	118	5,190	315	70	250	0.22	ND(5)

**TABLE 4.13**

(1) Only detected analytes are reported in table; results of all analyses are reported in laboratory reports.

(2) Duplicate sample for BL-1 is identified as B-17 in laboratory reports.

(3) Duplicate sample for BL-6 is identified as B-15 in laboratory reports.

µg/L Micrograms per liter

ND( ) Analytes not detected above the particle quantitation limit (in parentheses)

- Not sampled

Data Validation Qualifiers (for more information, see Data Validation Report, Appendix G).

U Not detected

J Estimated, detected

99-200/Rpt/DtGrWaRcFa (11/19/99) (JH)

**TABLE 4.13**



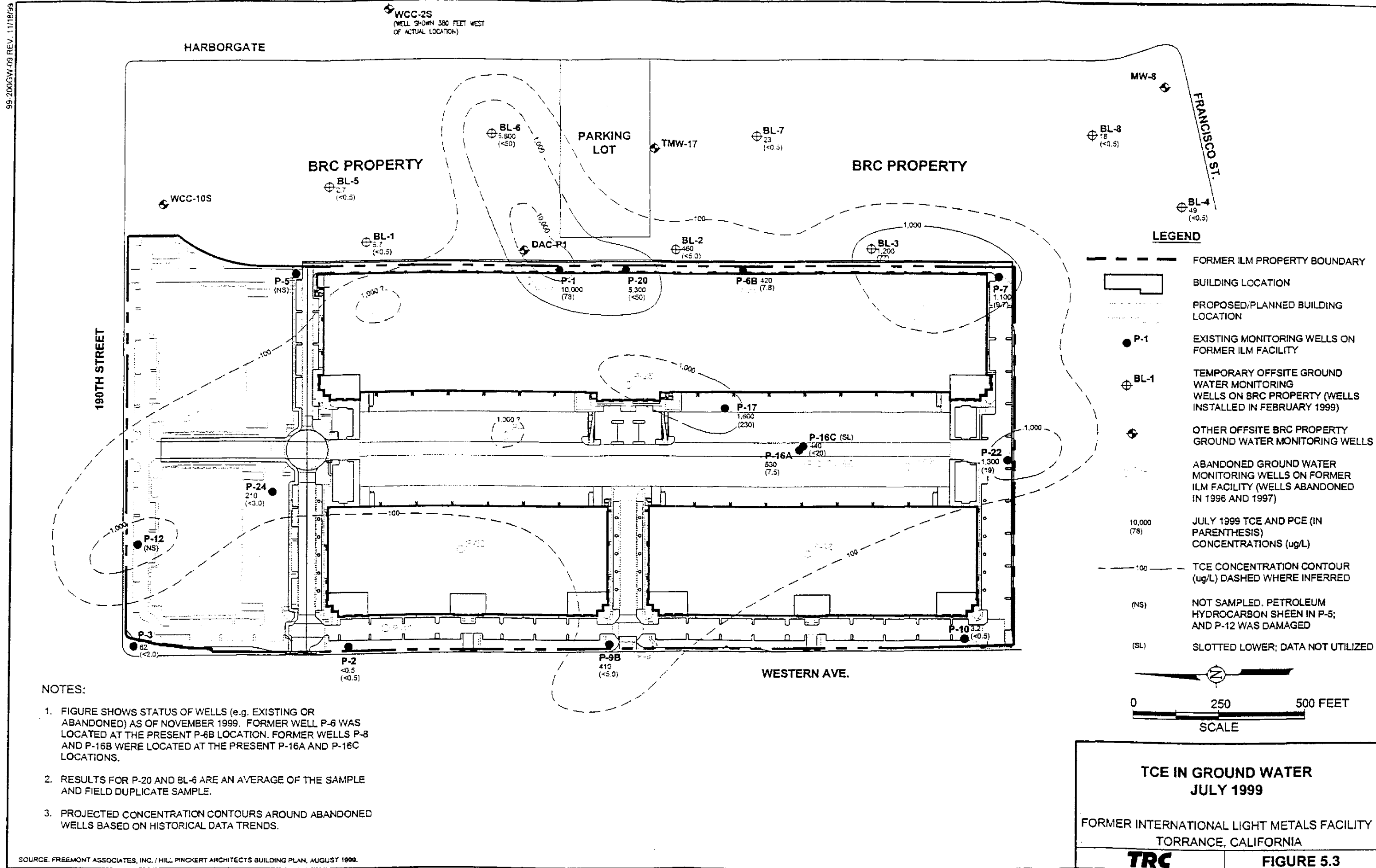


FIG. 53



